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Application Number	10/048/082
Confirmation Number	
Filing Date	January 24, 2002
First Named Inventor	F. F. Sherman et al.
Group Art Unit	-
Examiner Name	
Attorney Docket Number	7691

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### U. S. PATENT DOCUMENTS

EXAMINER INITIALS*	Cite No. <sup>1</sup>	DOCUMENT NUMBER Number - Kind Code <sup>2</sup> (if known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR
		2,468,430	04-26-1949	Derksen	
		3,838,299	09-24-1974	Elkuch	
		4,177,327	12-04-1979	Mathews et al.	
		4,913,983	04-03-1990	Cheiky	
		5,054,522	10-08-1991	Kowanz et al.	
		5,178,190	01-12-1993	Mettner	
		5,304,431	04-19-1994	Schumm, Jr.	
		5,400,824	03-28-1995	Gschwendtner et al.	
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		5,541,016	07-30-1996	Schumm, Jr.	
		5,631,514	05-20-1997	Garcia et al.	
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		6,074,775	06-13-2000	Gartstein et al.	
		6,163,131	12-19-2000	Gartstein et al.	

### FOREIGN PATENT DOCUMENTS

EXAMINER INITIALS*	CITE NO. <sup>1</sup>	FOREIGN PATENT DOCUMENT COUNTRY CODE <sup>3</sup> NUMBER <sup>4</sup> KIND CODE <sup>5</sup> (if known)	PUBLICATION DATE MM-DD-YYYY	NAME OF PATENTEE OR APPLICANT OF CITED DOCUMENT	PAGES, COLUMNS, LINES WHERE RELEVANT PASSAGES OR RELEVANT FIGURES APPEAR	T <sup>6</sup>
		WO 99/16096 A1	04-01-1999	MCNC		
		WO 99/37013 A1	07-22-1999	Seagate Technology, Inc.		
		EP 0 829 649 A2	03-18-1998	Fraunhofer Ges Forschung		N
		WO 01/09521 A1	02-08-2001	The Procter & Gamble Co.		
		WO 01/09519 A1	02-08-2001	The Procter & Gamble Co.		

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

EXAMINER INITIALS*	CITE NO. <sup>1</sup>	INCLUDE NAME OF THE AUTHOR (IN CAPITAL LETTERS), TITLE OF THE ARTICLE (WHEN APPROPRIATE), TITLE OF THE ITEM (BOOK, MAGAZINE, JOURNAL, SERIAL, SYMPOSIUM, CATALOG, ETC.), DATE, PAGE(S), VOLUME-ISSUE NUMBER(S), PUBLISHER, CITY AND/OR COUNTRY WHERE PUBLISHED	T <sup>6</sup>
		ERNEST J. GARCIA and JEFFRY J. SNIEGOWSKI, "Surface Micromachined Microengine," Elsevier Science S.A., 02/07/95, pgs. 203-214	
		FAIZ SHERMAN, ET AL, "In-Plane Microactuator for Fluid Control Application," The Eleventh Annual International Workshop on Micro Electro Mechanical Systems, 01/98	
		LEE A. P. ET AL, "Polysilicon Angular Microvibromotors," Journal of Microelectromechanical Systems, 06/01/92, pgs. 70-76, vol. 1, no. 2, New York	
		TIEN N. C. ET AL, "Impact-Actuated Linear Microvibromotor for Micro-Optical Systems On Silicon," Technical Digest of the International Electron Devices Meetings, 10/22/1995, pgs. 924-926, vol. Meeting 40, New York	

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